	AGRICULTURAL A	PPLIC	CATIONS OF WIND ENERGY								
1	Course Title:	AGRICL	ILTURAL APPLICATIONS OF WIND ENERGY								
2	Course Code:	BSM601	9								
3	Type of Course:	Optional									
4	Level of Course:	Third Cy	rcle								
5	Year of Study:	1									
6	Semester:	1									
7	ECTS Credits Allocated:	6.00									
8	Theoretical (hour/week):	2.00									
9	Practice (hour/week):	2.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	None									
12	Language:	Turkish									
13	Mode of Delivery:	Face to	face								
14	Course Coordinator:	Prof. Dr.	ALİ VARDAR								
15	Course Lecturers:	YOK									
16	Contact information of the Course Coordinator:	e-posta: dravardar@uludag.edu.tr Telefon: 0 224 2941605 Adres: Bursa Uludağ Üniversitesi, Ziraat Fakültesi, Biyosistem Mühendisliği Bölümü, Görükle Kampüsü, 16059, Nilüfer/BURSA									
17	Website:										
18	Objective of the Course:	The purpose of this course, the accumulation of information about wind energy from renewable energy sources to create one of the wind energy solutions to energy requirements of different applications and businesses, the information is to provide an effective opportunity to benefit.									
19	Contribution of the Course to Professional Development:	The student contributes to the knowledge of wind energy and agricultural applications.									
20	Learning Outcomes:										
		1	To understand the importance of the concept of energy								
		2	To analyze the characteristics of wind energy								
		3	To analyze the wind power can be obtained								
		4	The choice for the problem of wind turbines								
		5	To understand the mechanics and aerodynamics of wind issues								
		6	To develop energy projects to meet the needs of businesses								
		7									
		8									
		9									
		10									
21	Course Content:										
		Co	ourse Content:								
Week			Practice								
1	Introduction		Lectures on the analysis of expectations								
2	The formation of the wind		Homework topics and information given								
3	Characteristics of the wind		Calculations with the characteristics of the wind								

25	CONTRIBUTION		RNING OUTCO	MES TO PROGRAMS	ИМЕ					
ECTS (Credit of the Course				6.00					
Total w	ork load/ 30 hr				5.80					
Total W	Vork Load				190.00					
Fi 2a , E	۩ TS / WORK LOAD TABLE		1	24.00	24.00					
Others		ed in the	0							
Midtern	m exams	n al ! a #l= -	The effect of the fi	1 (16.00						
Field S		,	0							
Project	Stion of Final Exam to Success Grade	<u> </u>	60.00	0.00	0.00					
Contrib Homew		es to	140.00	50.00	50.00					
	udy and preperation Strong of Term (Year) Learning Activities	-	40.00	2.00	28.00					
Final F	als/Labs	l1	14	2.00	28.00					
Theore	work project		14	2.00	28.00					
Activit	LEARNING ACTIVITIES	NUMBE R	Number Duration (hour) Total Wo Load (hour)							
23	Assesment FARMING ACTIVITIES	NIIMDE	WEIGHT							
22	Textbooks, References and/or Other Materials:		1. Crome H., 2000. Handbuch Windenergie Technik, ökobuch, Staufen bei Freiburg, Germany. 2. Ackermann T., 2009. Güç sistemlerinde Rüzgar, Wiley, Ankara. 3. Hanus B. Ve Stempel U.E., 2011. Das grosse Solarund Windenergie Werkbuch, Franzis Verlag GmbH, Poing, Germany.							
14	General Review		Project examples							
13	Methods for the solution to energy ne businesses focused on wind energy	eds of	Project examples							
12	Wind turbine site selection		Wind turbine site s	selection analysis						
11	Mechanics and aerodynamics of wind	d	Calculations related to the mechanics and aerodynamics of wind							
10	Wind turbine types and characteristic	s	Investigation of wind power plants							
9	General Review		Investigation of wind power plants							
8	Wind energy plants		Investigation of win	nd power plants						
7	Structural parameters of wind energy	1	Analysis related to the structural parameters of wind power							
6	Wind energy conversion		Analysis of wind energy conversions							
5	Wind data analysis methods		Wind data analysis							
4	Ability to make the wind work		Calculations related to the ability to make the wind work							

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	4	3	3	2	3	3	2	3	4	4	2	4	0	0	0	0
ÖK2	4	5	3	4	3	4	2	4	4	4	2	2	0	0	0	0
ÖK3	4	5	3	4	3	4	3	5	4	4	2	3	0	0	0	0
ÖK4	4	5	3	3	3	5	3	5	4	4	2	3	0	0	0	0

ÖK5	5	4	5	3	5	3	2	5	3	5	5	5	0	0	0	0
ÖK6 5 4 5 3 5 3 2 5 3 5 5 5 0 0 0 0 LO: Learning Objectives PQ: Program Qualifications											0					
Contrib 1 very low 2 low ution Level:						3	Medi	um	,	4 Higl	h	5 Very High				